

Substitute Abstract

A microscopy system and a ~~microscopy~~ method are ~~provided~~
~~for~~ allow observing a fluorescent substance accumulated in
5 a tissue. The ~~microscopy system comprises a filter~~
~~allowing to observe the tissue~~ can be observed at a same
time both with visible light and with fluorescent light.
It is possible to observe a series of previously recorded
fluorescent light images in superposition with the visible
10 light images. An end of the series of images may be
automatically determined. A thermal protective filter may
be inserted into a beam path of an illuminating system at
such automatically determined end of the series. Further,
the fluorescent light image may be analyzed for identifying
15 a coherent fluorescent portion thereof. A representation
of a periphery line of the coherent portion may be
generated, and depths profile data may be obtained only
from the coherent portion. An illuminating light beam for
exciting the fluorescence may be modulated for improving a
20 contrast of fluorescent images.

~~figure 1~~